

Fig. 1

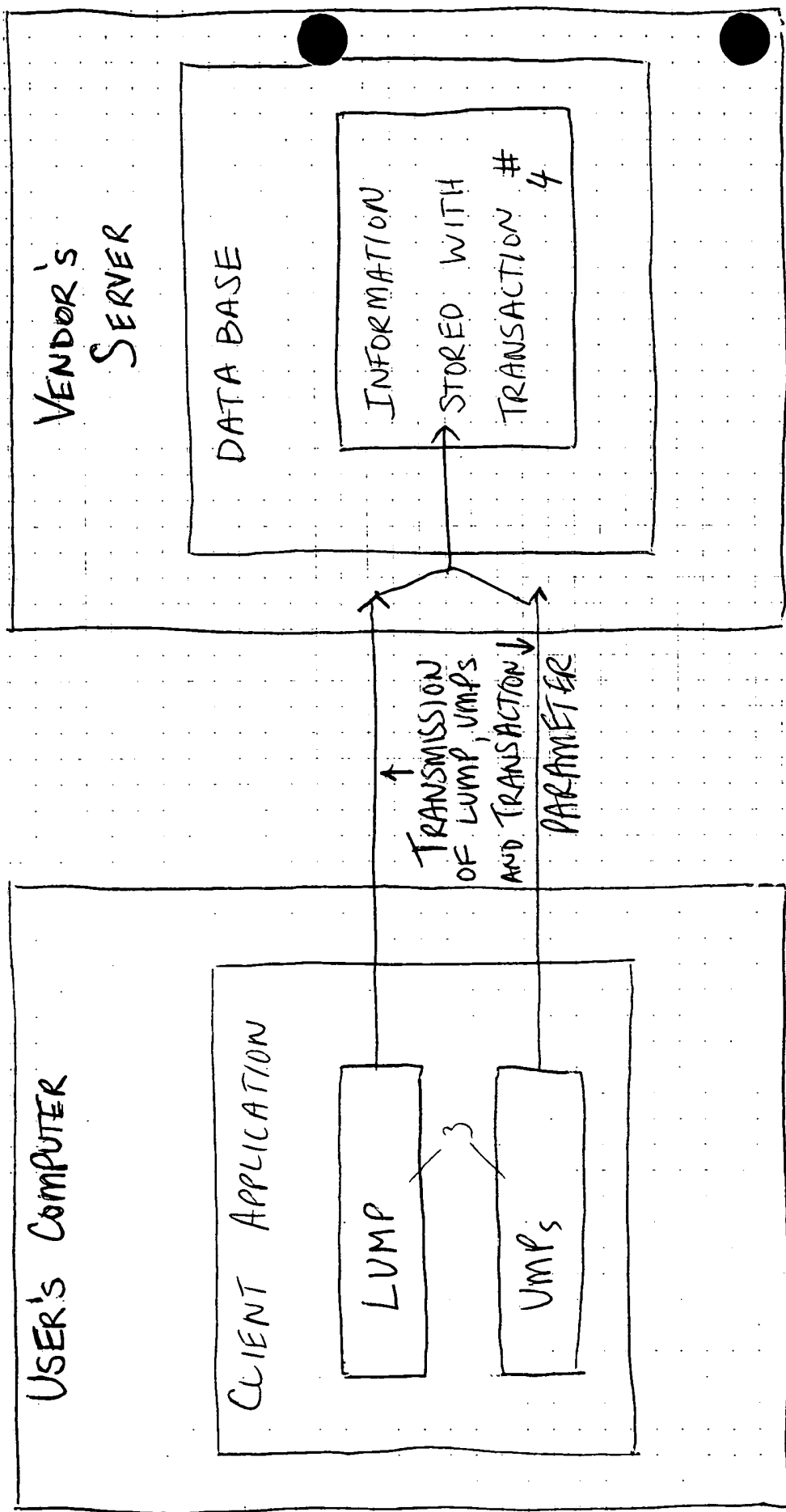


Fig. 2

VENDOR'S SERVER

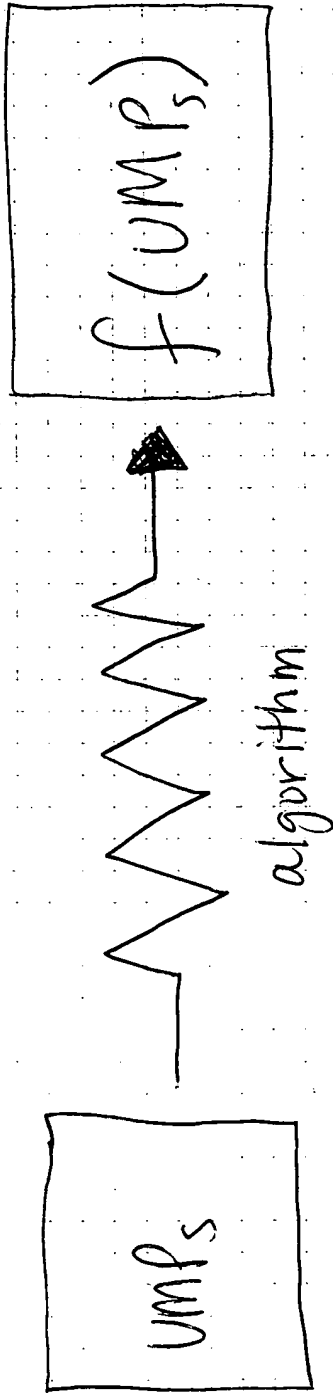


Fig. 3

VENDOR'S SERVER

~~DATABASE~~

FOR $UMP_1, \dots, UMP_j, \dots, UMP_N$ (ALL UMPS GENERATED)

$$f(UMP_s)_j \xrightarrow{\text{ENCRYPTION}} \mathcal{E} f(UMP_s)_j$$

UMP_j is key

THE ~~SET~~ LIST OF N ENCRYPTED $f(UMP_s)$ IS DENOTED AS :-

$$\sum_{i=1}^N \mathcal{E} f(UMP_s)_i$$

Fig. 4

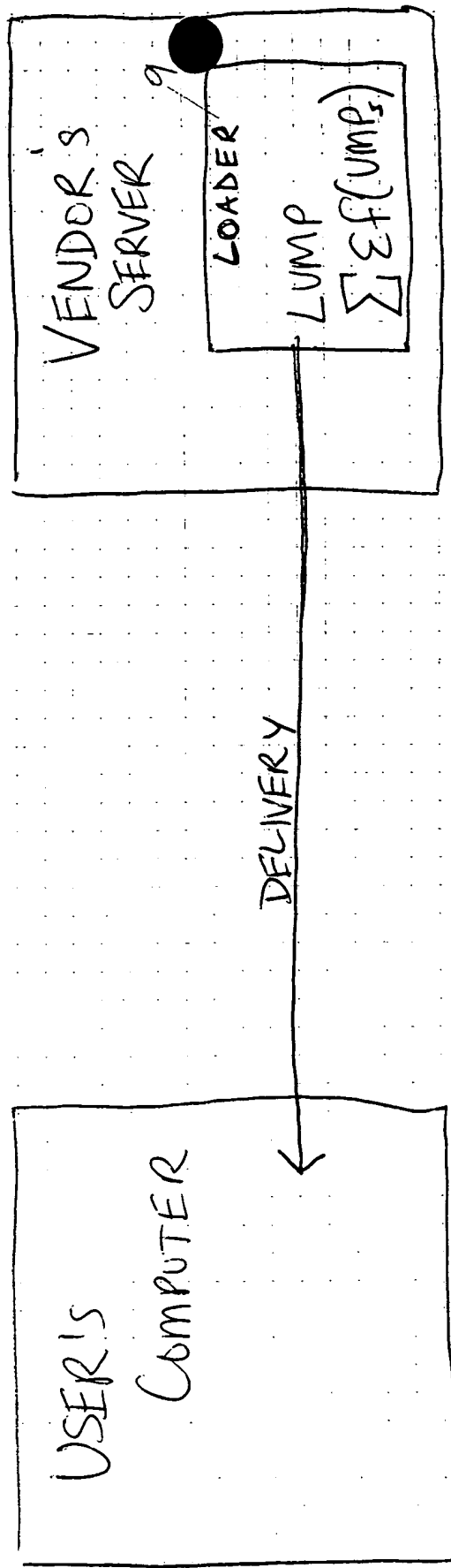
[illegible]

Fig. 3

USER'S COMPUTER

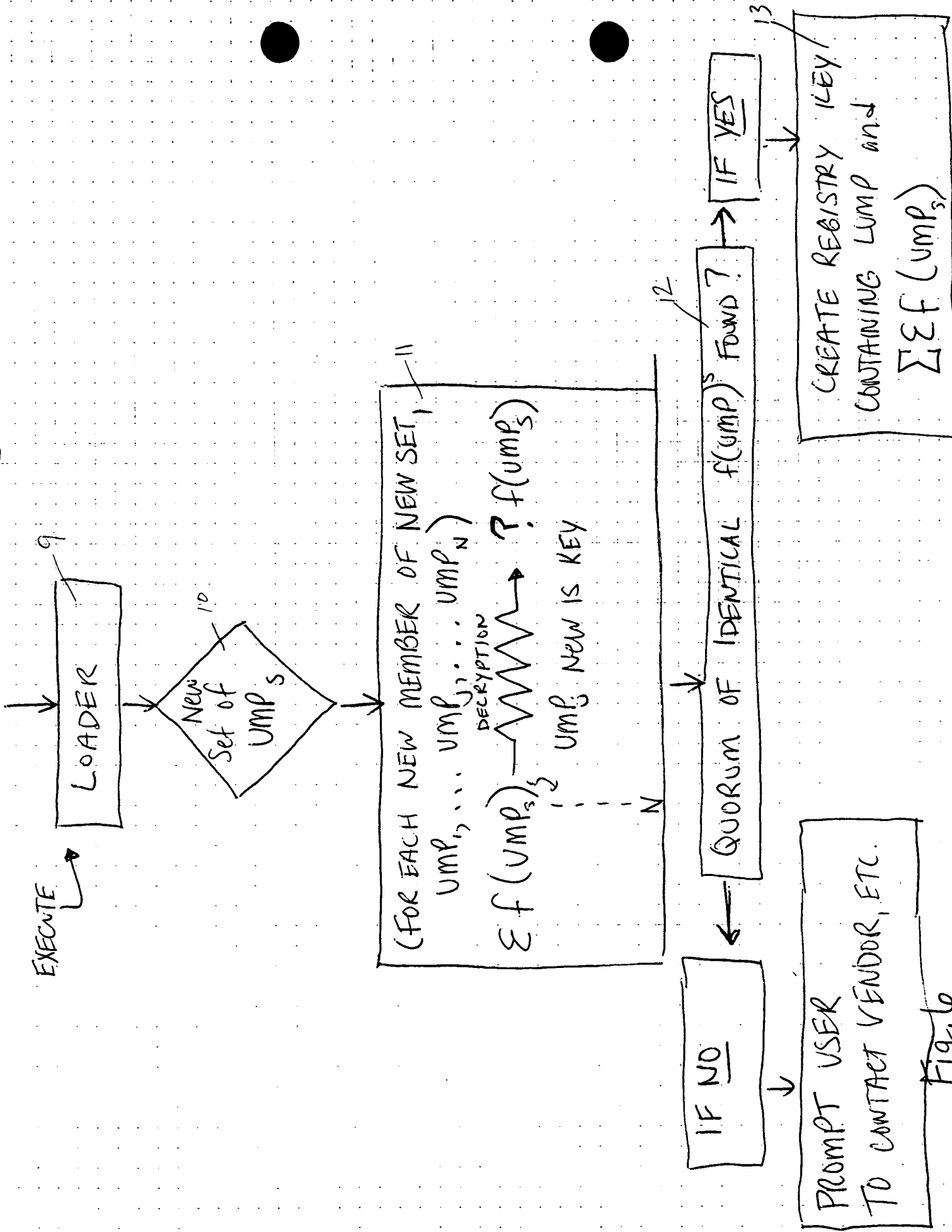


Fig. 6

USER'S COMPUTER

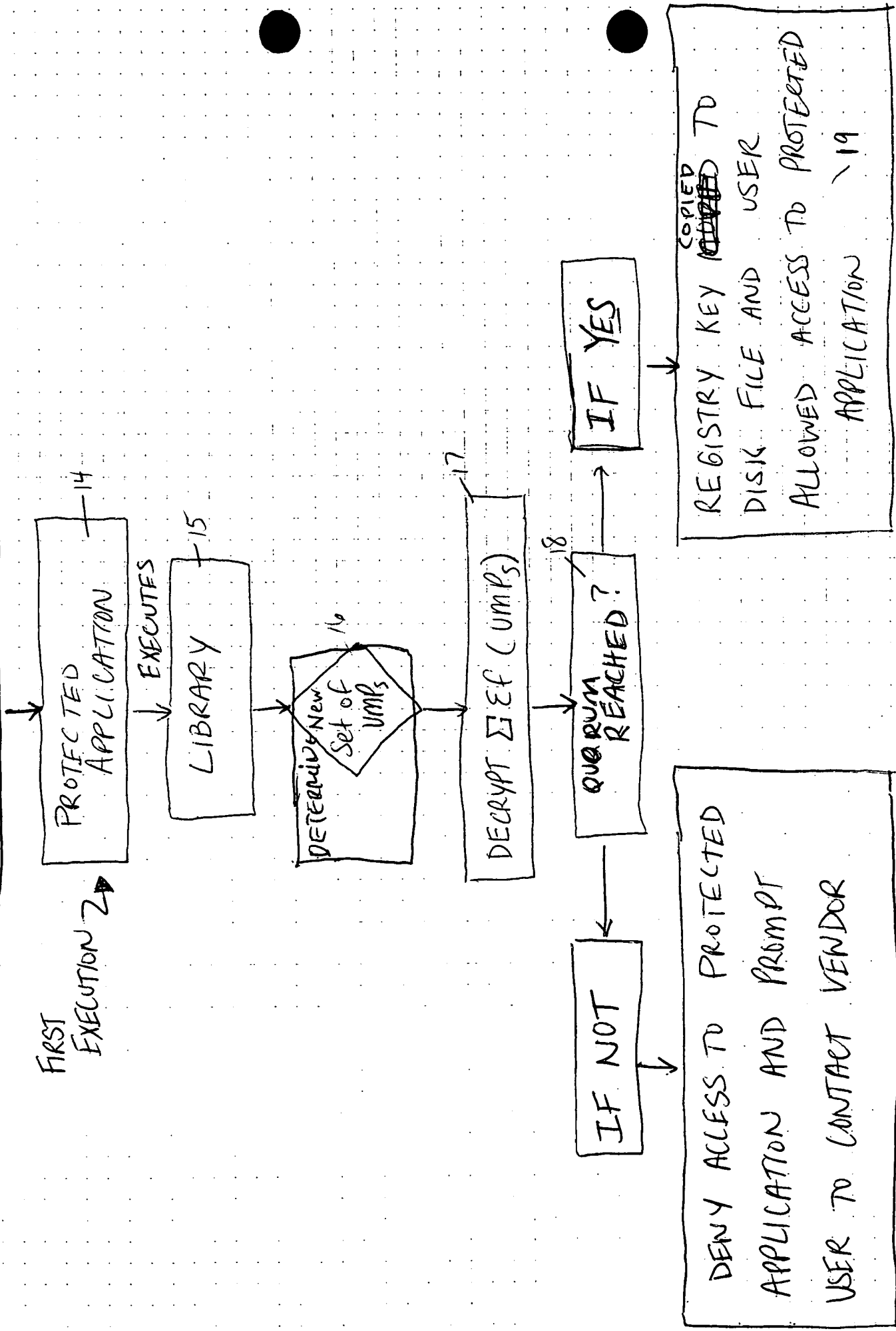


Fig. 7

USER'S COMPUTER

SUBSEQUENT
EXECUTIONS →

Protected
Application

↓ EXECUTE

LIBRARY

New
Set of
UMPs

Decryption of $\Sigma \& f(UMPs)$

IF NOT

Quorum?

IF YES

PROMPT USER TO CONTACT VENDOR;
ACCESS TO PROTECTED APPLICATION
IS NOT ALLOWED

ALLOW ACCESS TO PROTECTED
APPLICATION

Fig 1

USER'S COMPUTER

CLIENT²¹
APPLICATION

VENDOR'S SERVER

LOADER²⁰
LUMP
 $\Sigma E f(UMP_s)$
 Σ Protected Application

LOADER²⁰ (CLIENT APPLICATION EXECUTES
LOADER)

QUORUM²¹
REACHED?

IF YES...

Σ Protected Application $\xrightarrow{\text{decrypt}}$ Protected Application
 $f(UMP)$ is decryption key
from Quorum²²

Fig. 9